

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032460.D
 Acq On : 17 Nov 2025 16:01
 Operator : SY/MD
 Sample : Q3645-01
 Misc : 6.84g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-11142025

Quant Time: Nov 18 03:06:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

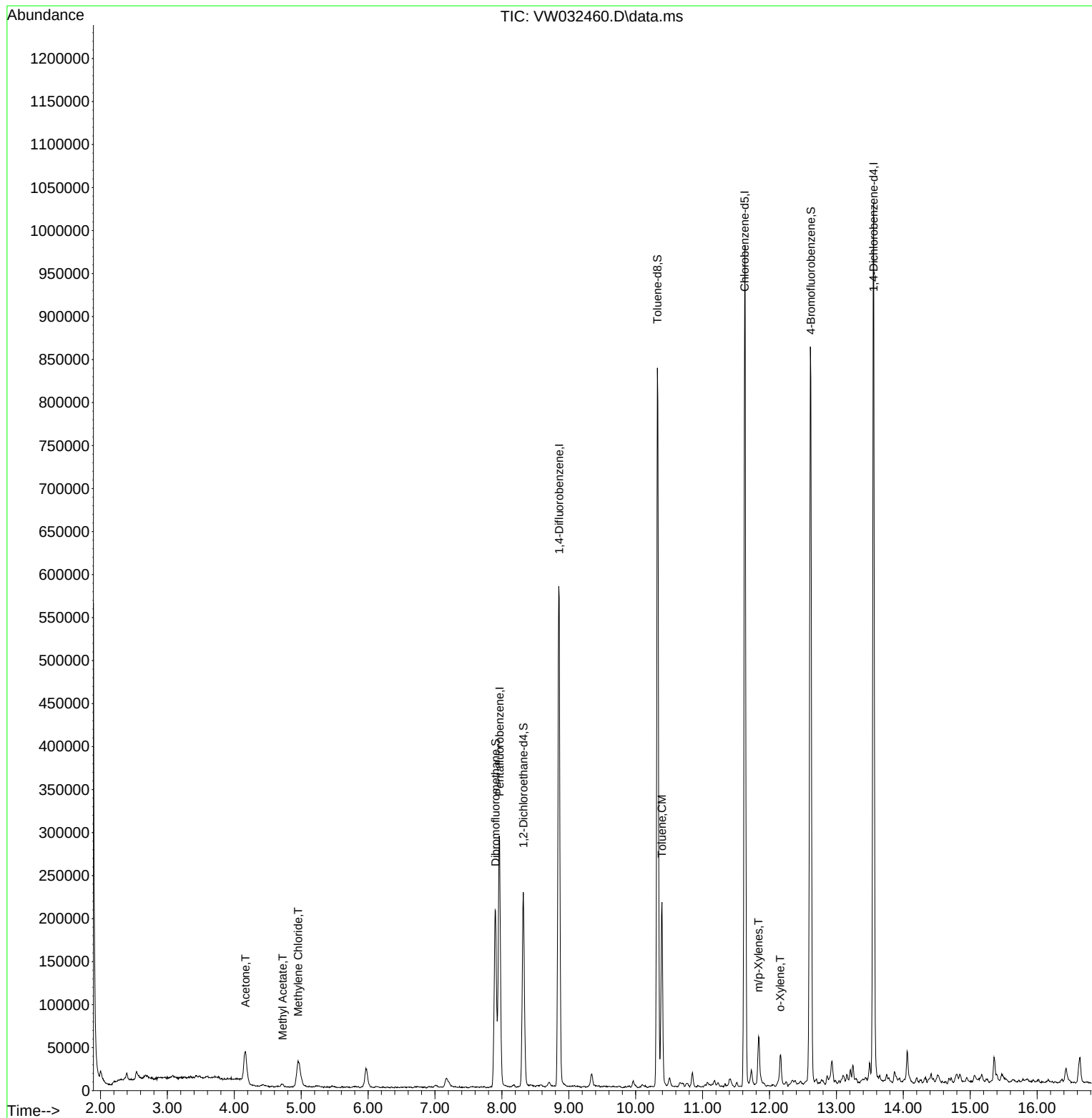
Internal Standards						
1) Pentafluorobenzene	7.965	168	208026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	487908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	532415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	259060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174134	64.928	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 129.860%		
35) Dibromofluoromethane	7.904	113	158636	54.305	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 108.600%		
50) Toluene-d8	10.325	98	563865	50.315	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.620%		
62) 4-Bromofluorobenzene	12.617	95	242072	57.180	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 114.360%		
Target Compounds						
						Qvalue
16) Acetone	4.167	43	64358	80.209	ug/l	99
18) Methyl Acetate	4.722	43	6405	3.224	ug/l #	88
20) Methylene Chloride	4.954	84	26941	9.389	ug/l	95
52) Toluene	10.392	92	91666	10.707	ug/l	99
68) m/p-Xylenes	11.837	106	14410	1.933	ug/l	92
69) o-Xylene	12.160	106	9846	1.379	ug/l	91

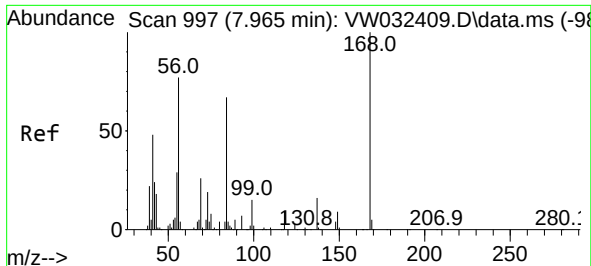
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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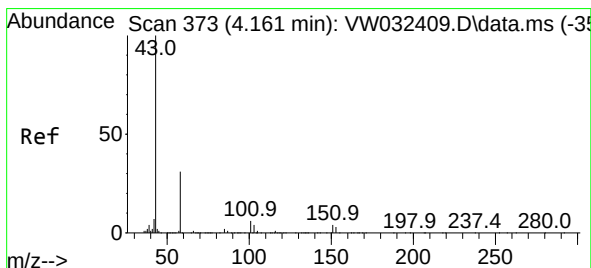
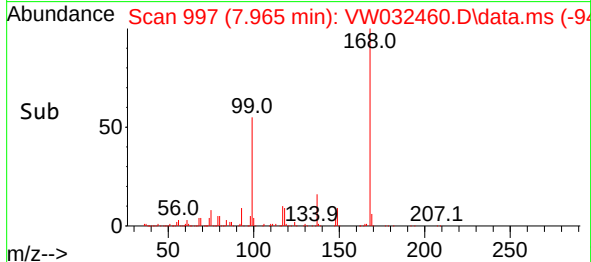
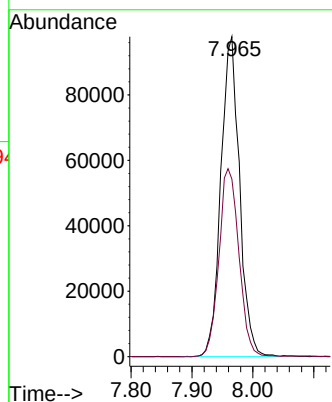
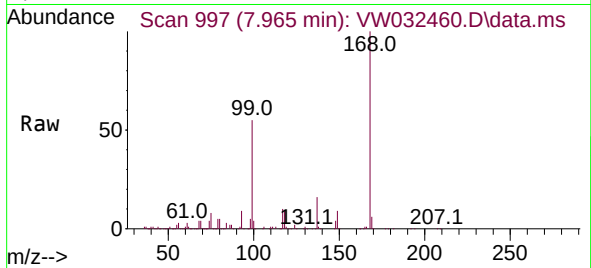




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

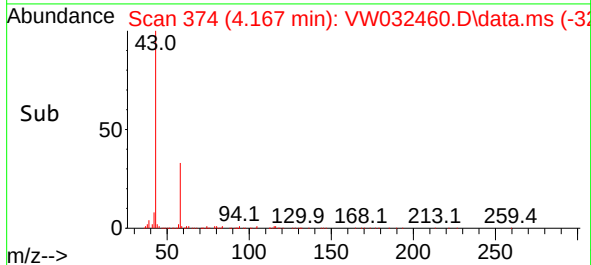
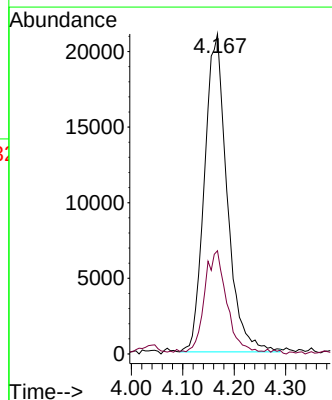
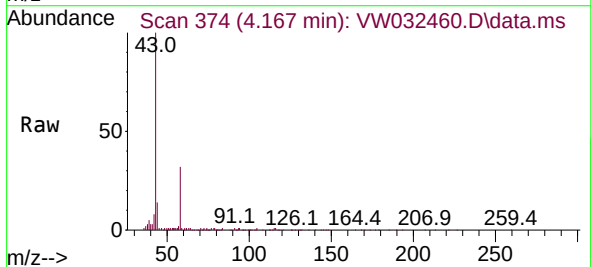
Instrument :
MSVOA_W
ClientSampleId :
HD-02-11142025

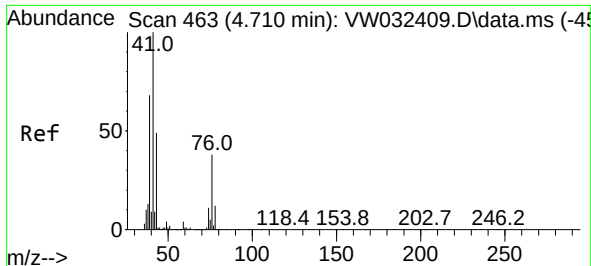
Tgt Ion:168 Resp: 208026
Ion Ratio Lower Upper
168 100
99 55.5 45.4 68.2



#16
Acetone
Concen: 80.209 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

Tgt Ion: 43 Resp: 64358
Ion Ratio Lower Upper
43 100
58 31.7 24.8 37.2

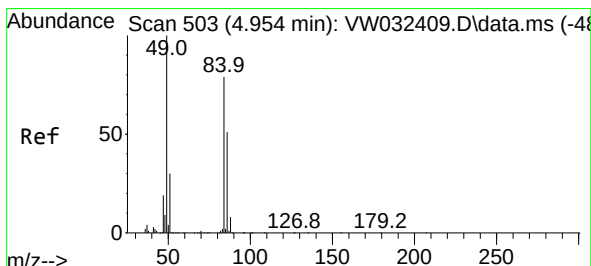
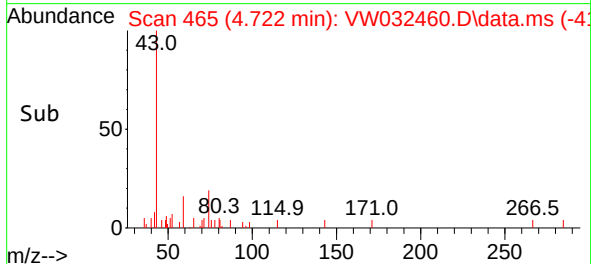
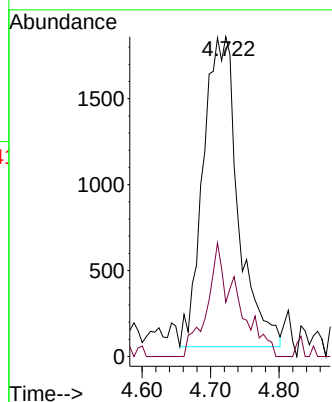
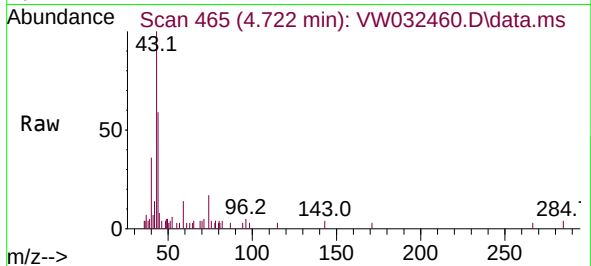




#18
Methyl Acetate
Concen: 3.224 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

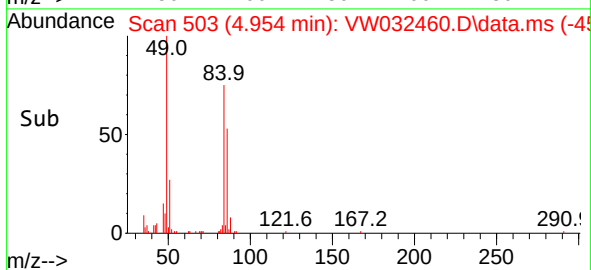
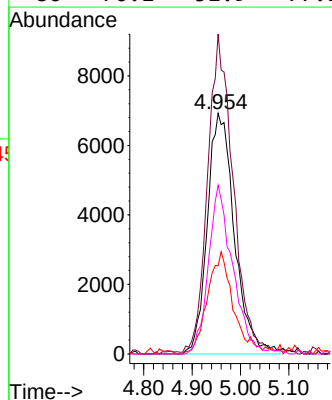
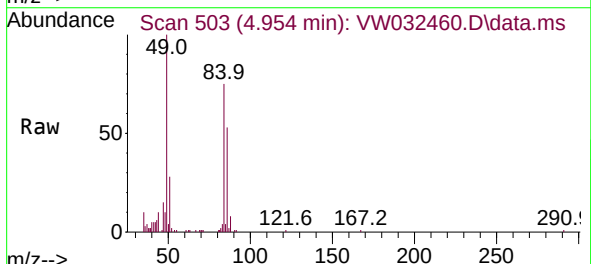
Instrument :
MSVOA_W
ClientSampleId :
HD-02-11142025

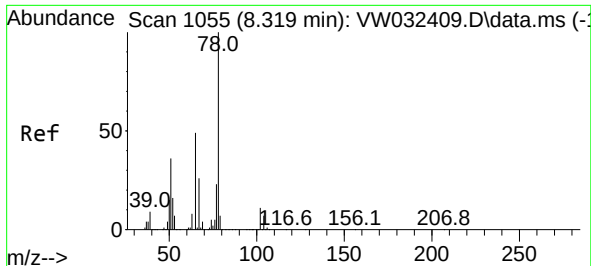
Tgt Ion: 43 Resp: 6405
Ion Ratio Lower Upper
43 100
74 17.7 18.9 28.3#



#20
Methylene Chloride
Concen: 9.389 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

Tgt Ion: 84 Resp: 26941
Ion Ratio Lower Upper
84 100
49 132.3 101.5 152.3
51 36.6 30.6 46.0
86 70.1 51.9 77.9

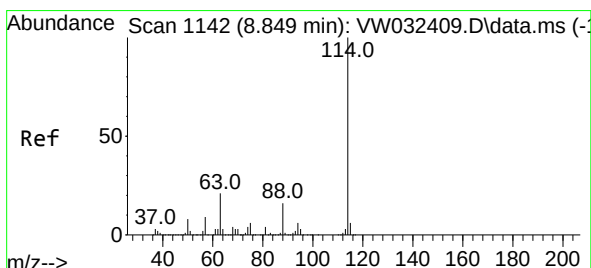
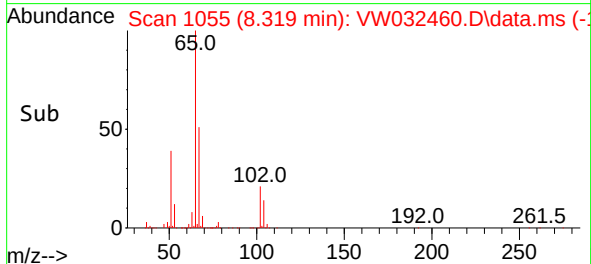
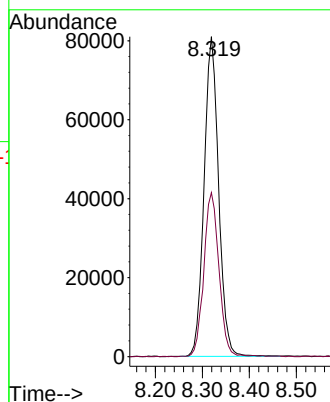
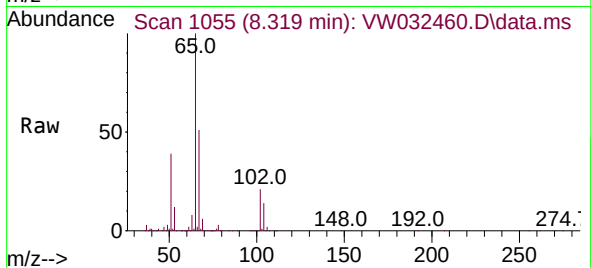




#33
 1,2-Dichloroethane-d4
 Concen: 64.928 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032460.D
 Acq: 17 Nov 2025 16:01

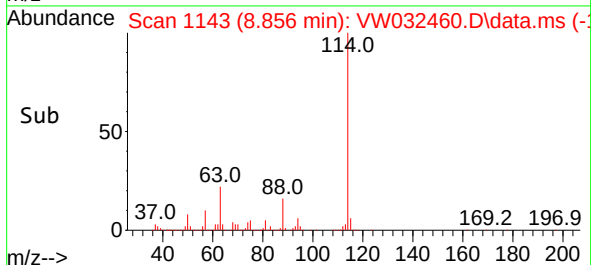
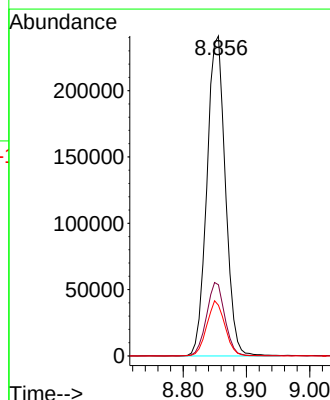
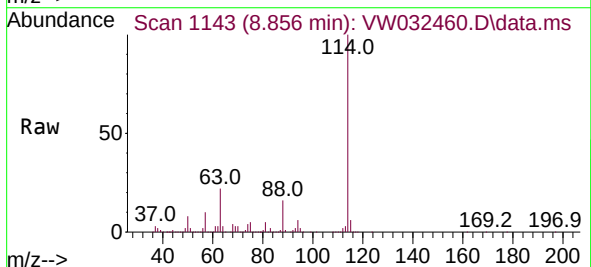
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-11142025

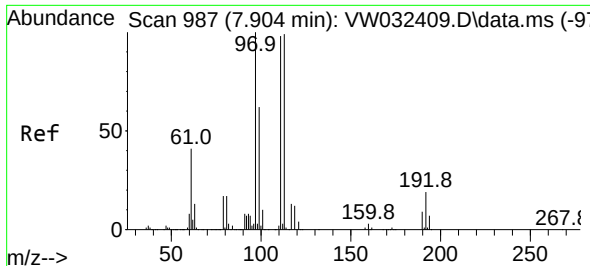
Tgt Ion: 65 Resp: 174134
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032460.D
 Acq: 17 Nov 2025 16:01

Tgt Ion: 114 Resp: 487908
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.8
 88 15.8 0.0 32.6

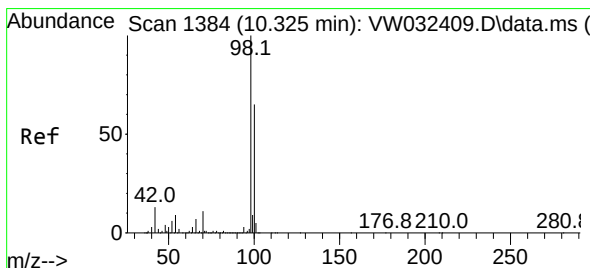
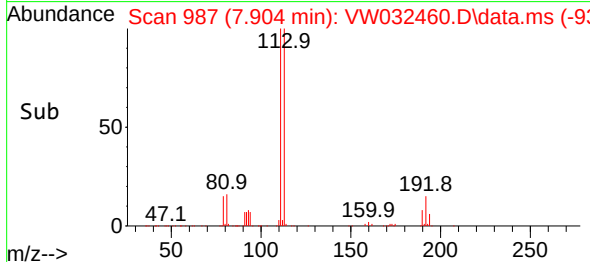
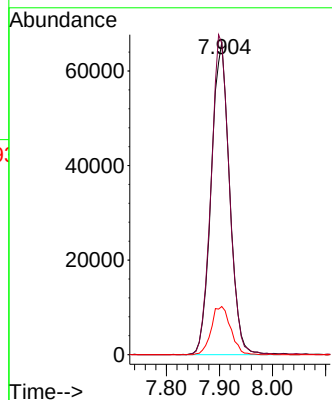
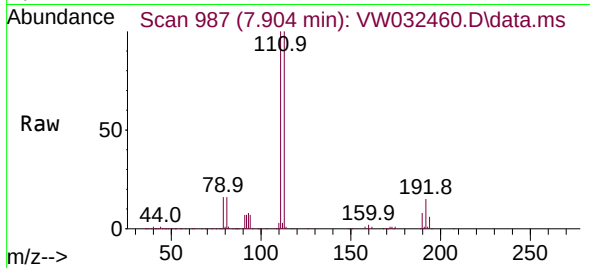




#35
 Dibromofluoromethane
 Concen: 54.305 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032460.D
 Acq: 17 Nov 2025 16:01

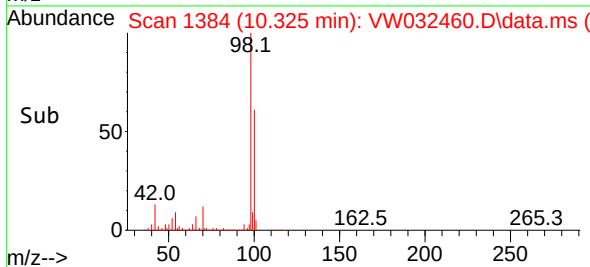
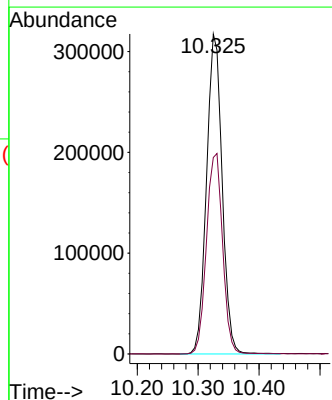
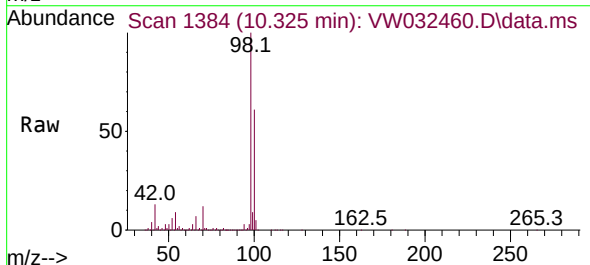
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-11142025

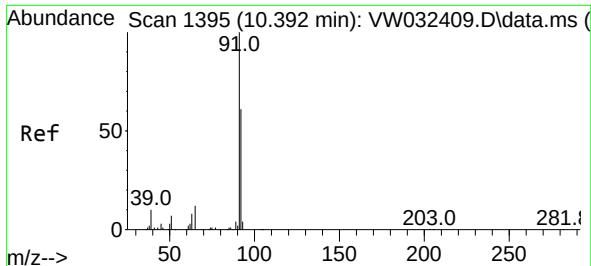
Tgt Ion:113 Resp: 158636
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.1 124.7
 192 16.2 13.4 20.2



#50
 Toluene-d8
 Concen: 50.315 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. 0.000 min
 Lab File: VW032460.D
 Acq: 17 Nov 2025 16:01

Tgt Ion: 98 Resp: 563865
 Ion Ratio Lower Upper
 98 100
 100 64.8 53.3 79.9

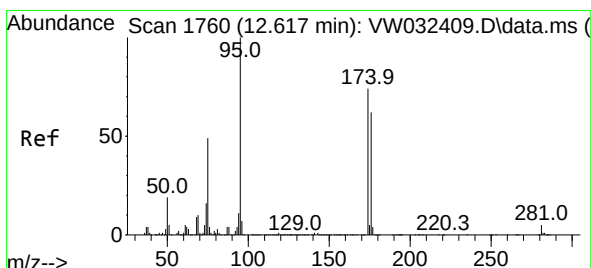
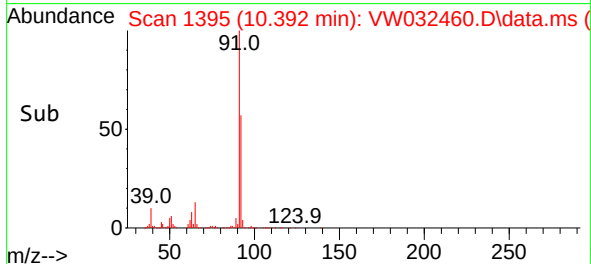
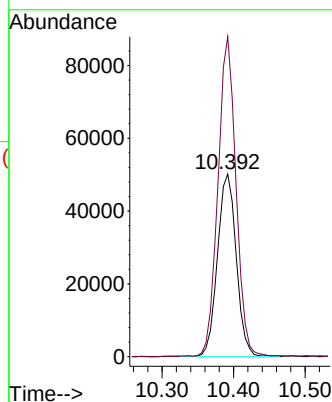
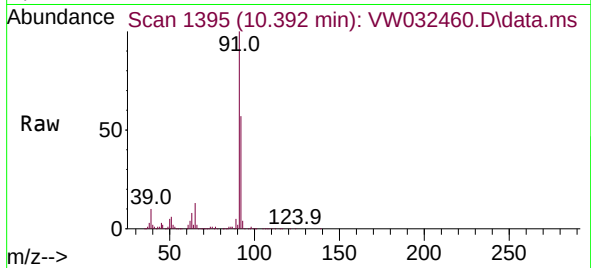




#52
Toluene
Concen: 10.707 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

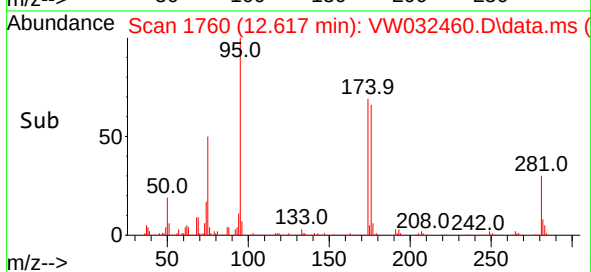
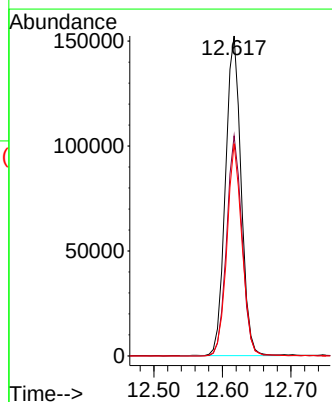
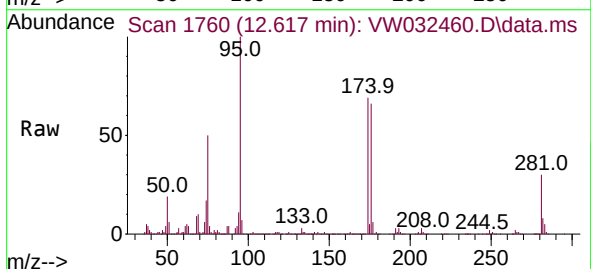
Instrument :
MSVOA_W
ClientSampleId :
HD-02-11142025

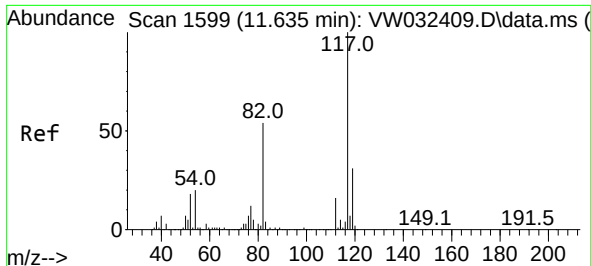
Tgt Ion: 92 Resp: 91666
Ion Ratio Lower Upper
92 100
91 169.2 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 57.180 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

Tgt Ion: 95 Resp: 242072
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.4
176 64.0 0.0 131.8

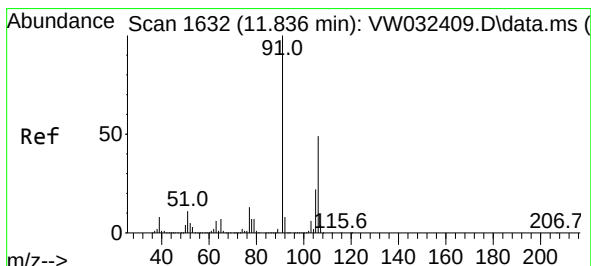
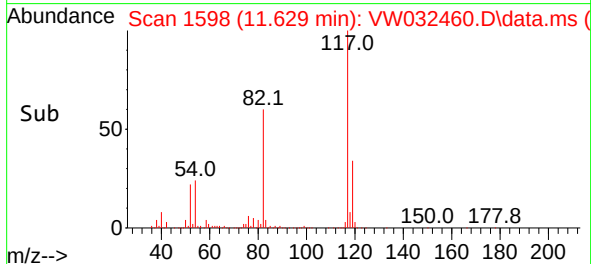
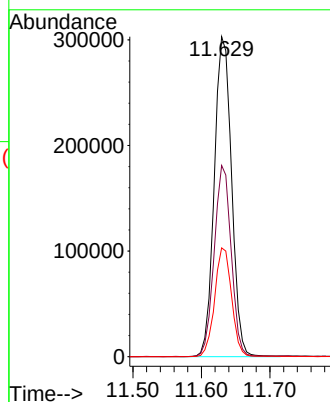
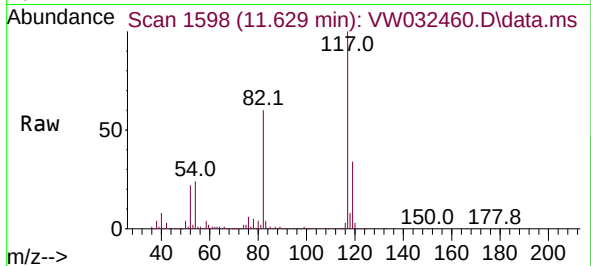




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

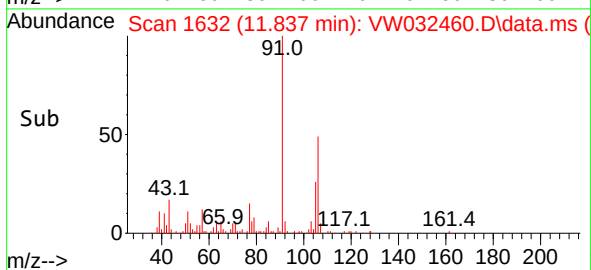
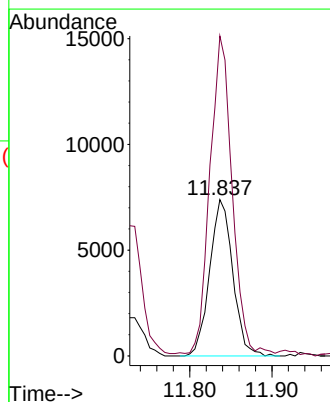
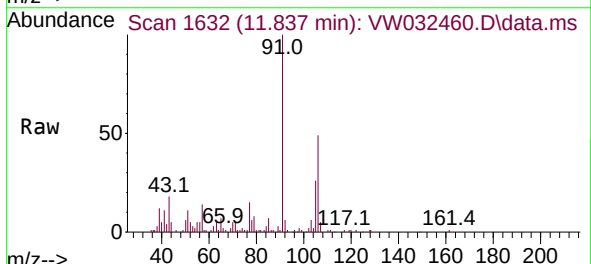
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HD-02-11142025

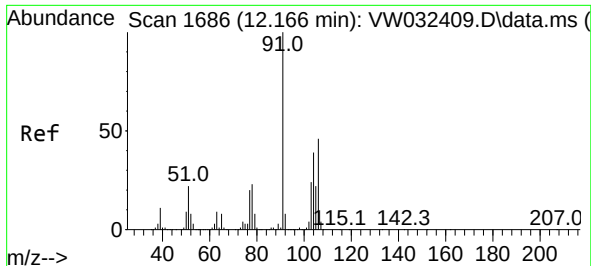
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	43.0	64.4
119	34.0	25.0	37.6



#68
m/p-Xylenes
Concen: 1.933 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.9	165.5	248.3

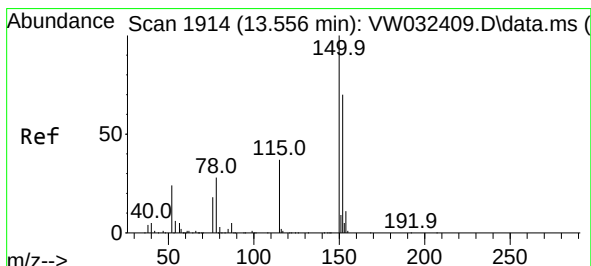
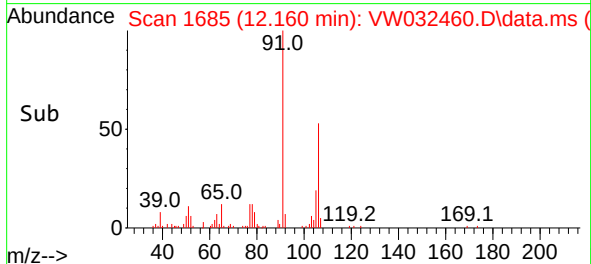
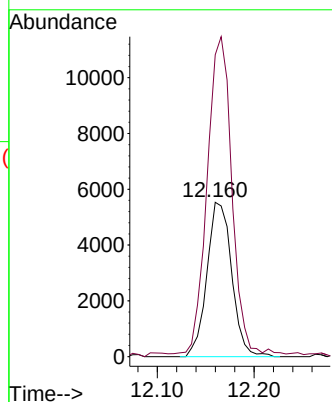
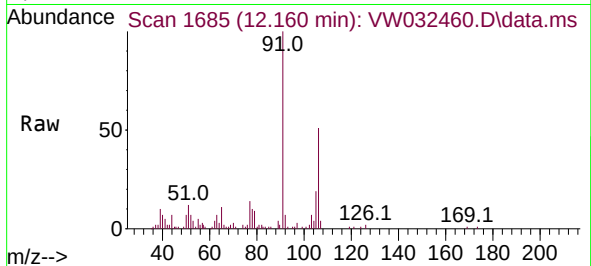




#69
o-Xylene
Concen: 1.379 ug/l
RT: 12.160 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

Instrument :
MSVOA_W
ClientSampleId :
HD-02-11142025

Tgt Ion:106 Resp: 9846
Ion Ratio Lower Upper
106 100
91 203.8 109.3 327.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032460.D
Acq: 17 Nov 2025 16:01

Tgt Ion:152 Resp: 259060
Ion Ratio Lower Upper
152 100
115 63.4 32.8 98.3
150 160.0 0.0 356.6

